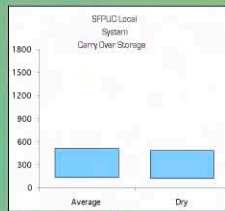
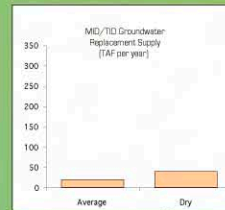
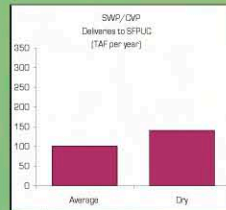
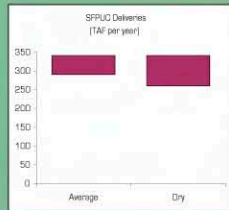


# Existing Works — Detailed Information on Water and Power Supply

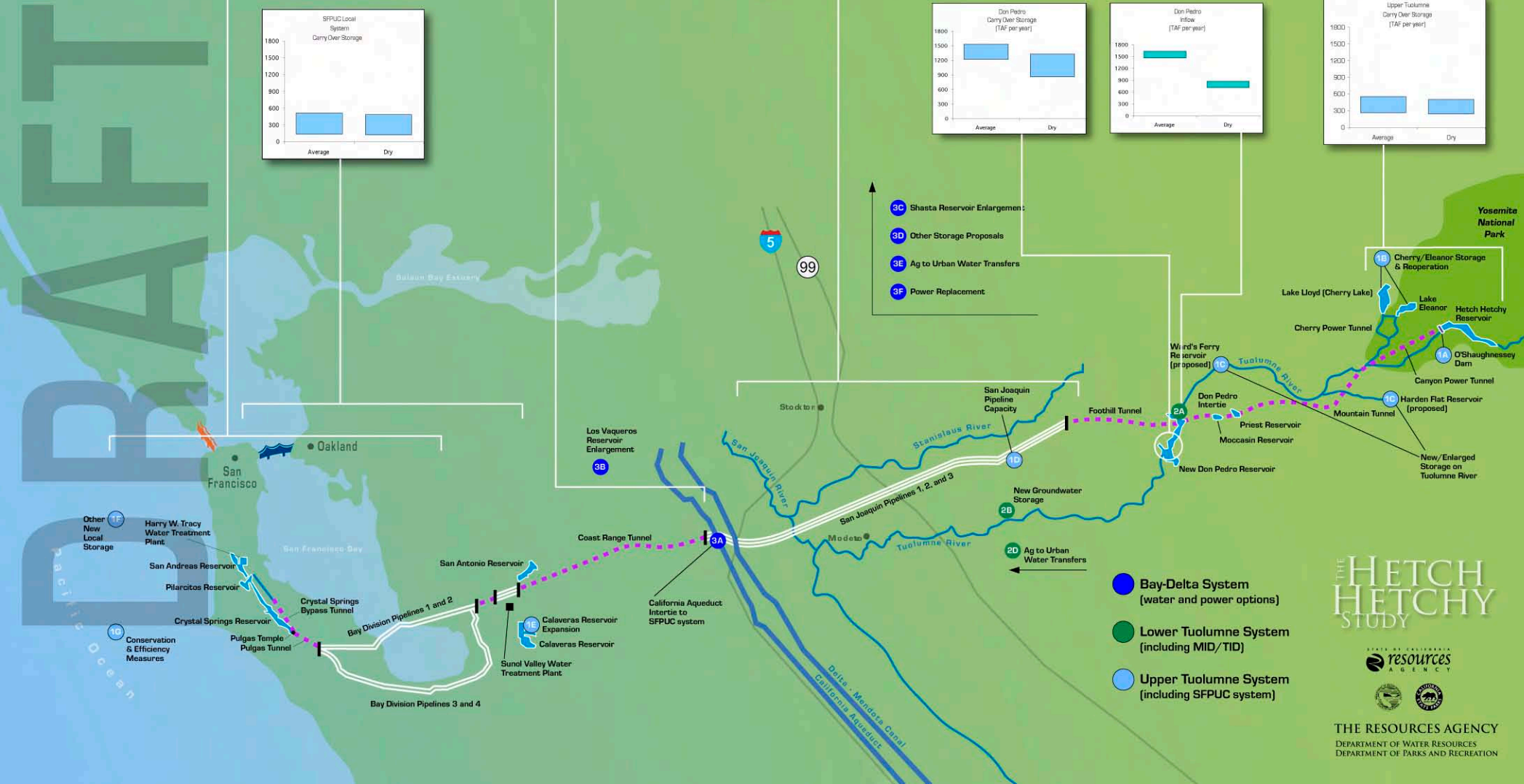
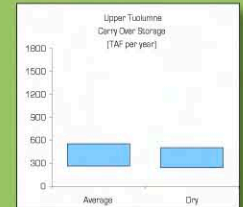
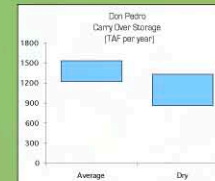
Area		UPPER TUOLUMNE SYSTEM (including local SFPUC system)							LOWER TUOLUMNE SYSTEM (including MID/TID)				OUTSIDE / BAY-DELTA SYSTEM (Water and Power Options)					
Category	Component	O'Shaughnessy Baseline	Cherry / Eleanor Storage and Reoperation	New / Enlarged Storage on Tuolumne River	San Joaquin Pipeline	Calaveras Reservoir	Other New Local Storage	Conservation and Efficiency Measures	Don Pedro Intertie / Reoperation	Groundwater Storage (TID/MID)	Other New / Enlarged Storage including Don Pedro Reservoir	Ag to Urban Water Transfers	Calif. Aqueduct Intertie to SFPUC System	Los Vaqueros Reservoir Enlargement	Shasta Reservoir Enlargement	Other Storage Proposals	Ag to Urban Water Transfers	Power Replacement
		1A	1B	1C	1D	1E	1F	1G	2A	2B	2C	2D	3A	3B	3C	3D	3E	3F
Water	Quantity	✓	✓		✓	✓			✓	✓							✓	
	Quality	✓																
	Timing	✓																
	Temperature																	
	Carry-over rules																	
	Drawdown limits																	
	Losses																✓	
	Environmental constraints																	
	Operational constraints		✓						✓									
	Legal and institutional constraints	✓																
	Local ordinances																	
	Land use changes																	
	Siting issues																	
	Alignment																	
	Costs		✓		✓	✓			✓			✓					✓	✓
	Flood control																	
	Recreation	✓																
	Instream issues																	
	Groundwater recharge rates																	
	Groundwater extraction rates									✓								
	Accretion/depletion effects																	
	Third party impacts																	
	Water use efficiencies																	
	Reclamation																	
	Recycling																	
	Real water?																	
	Geotechnical issues																	
	Future growth																	
Power	Base Capacity	✓																
	Peaking capacity	✓																
	Energy production	✓	✓															✓
	Costs																	
	Transmission																	
	Pumping Energy																	
	Pumping costs																	
	Fuel source																	
	Future growth																	

Note: Check mark does not mean information is adequate, only that some discussion or information is available.

# Water Management



1. Purpose of showing the vertical bars is to reflect the "sense of scale" of various model values relative to one another.
2. Vertical bars represent the range of values modeled under all alternatives by Environmental Defense in "Paradise Regained."
3. Average and Dry designations represent average annual amounts and dry year condition amounts modeled by ED in "Paradise Regained."



- Bay-Delta System (water and power options)
- Lower Tuolumne System (including MID/TID)
- Upper Tuolumne System (including SFPUC system)

THE HETCH HETCHY STUDY



THE RESOURCES AGENCY  
DEPARTMENT OF WATER RESOURCES  
DEPARTMENT OF PARKS AND RECREATION